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(54) Title: MITOTIC KINESIN INHIBITORS

(57) Abstract: The present invention relates to 2-phenylthienylpyrimidinone compounds that are useful for treating cellular proliferative diseases, for treating disorders associated with KSP kinesin activity, and for inhibiting KSP kinesin. The invention also relates to compositions which comprise these compounds, and methods of using them to treat cancer in mammals.